

Projections for Planning Purposes Only -- Not to be Used without Updating
2025 Estimated Costs and Returns per Acre
Irrigated Sorghum Silage
South Plains Extension District - 2

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Sorghum Silage	24.00	Ton	\$42.90	\$1,029.60	\$125,611.20	\$125,611.20
Total Revenue				\$1,029.60	\$125,611.20	\$125,611.20
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
Fertilizer (N) - Liquid	70	Pound	\$0.60	\$42.00	\$5,124.00	
Fertilizer (P) - Liquid	88	Pound	\$0.92	\$80.61	\$9,834.18	
Fertilizer (N) - NH3	150	Pound	\$0.45	\$67.20	\$8,198.40	
Custom						
Harvest and Haul - Sorghum Silage	24	Ton	\$7.00	\$168.00	\$20,496.00	
Fertilizer Application - Liquid High	1	Acre	\$4.75	\$4.75	\$579.50	
Fertilizer Application - Liquid Low	1	Acre	\$3.50	\$3.50	\$427.00	
Fertilizer Application - NH3	1	Acre	\$3.50	\$3.50	\$427.00	
Miscellaneous						
Crop Insurance Sorghum Silage	1	Acre	\$22.40	\$22.40	\$2,732.80	
Insecticide						
Insecticide and Apply Sorghum Silag	1	Acre	\$4.29	\$4.29	\$523.38	
Herbicide						
Herbicide and Apply Sorghum Silage	1	Acre	\$10.50	\$10.50	\$1,281.00	
Seed						
Seed - Sorghum	7	Pound	\$2.40	\$16.80	\$2,049.60	
Irrigation						
Energy Cost	16.00	AcreInch	\$10.00	\$160.00	\$19,520.00	
Irrigation Labor	1.00	Hour	\$16.00	\$16.00	\$1,952.00	
Machinery Labor						
Tractors/Self-Propelled	0.61	Hour	\$16.00	\$9.76	\$1,190.72	
Other Labor	0.69	Hour	\$16.00	\$11.04	\$1,346.88	
Diesel Fuel						
Tractors/Self-Propelled	3.2	Gallon	\$2.92	\$9.34	\$1,139.58	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.41	\$5.41	\$659.75	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00	
Irrigation Equipment	1	Acre	\$27.25	\$27.25	\$3,324.50	
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$732.00	
Implements	1	Acre	\$3.00	\$3.00	\$366.00	
Interest on Credit Line			8.50%	\$13.15	\$1,604.02	
Total Variable Costs				\$684.99	\$83,569.31	
Planned Returns Above Variable Costs:				\$344.61	\$42,041.89	
Breakeven Price to Cover Variable Costs			\$28.54	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Equipment Fixed Costs						
Pickup/General Use Equipment	1	Acre	\$1.25	\$1.25	\$152.50	
Irrigation Equipment	1	Acre	\$55.00	\$55.00	\$6,710.00	
Tractors/Self-Propelled	1	Acre	\$12.00	\$12.00	\$1,464.00	
Implements	1	Acre	\$10.00	\$10.00	\$1,220.00	
Management Fee, Owner/Operator Labor	1	Acre	\$25.00	\$25.00	\$3,050.00	
Cash Rent - Sorghum Silage	1	Acre	\$100.00	\$100.00	\$12,200.00	
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00	
Total Fixed Costs				\$205.25	\$25,040.50	
Total Specified Costs				\$890.24	\$108,609.81	
Returns Above Specified Costs				\$139.36	\$17,001.39	
Breakeven Price to Cover Total Costs			\$37.09	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	18.00	\$38.06	\$49.46
90%	21.60	\$31.71	\$41.22
100%	24.00	\$28.54	\$37.09
110%	26.40	\$25.95	\$33.72
125%	30.00	\$22.83	\$29.67

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Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.